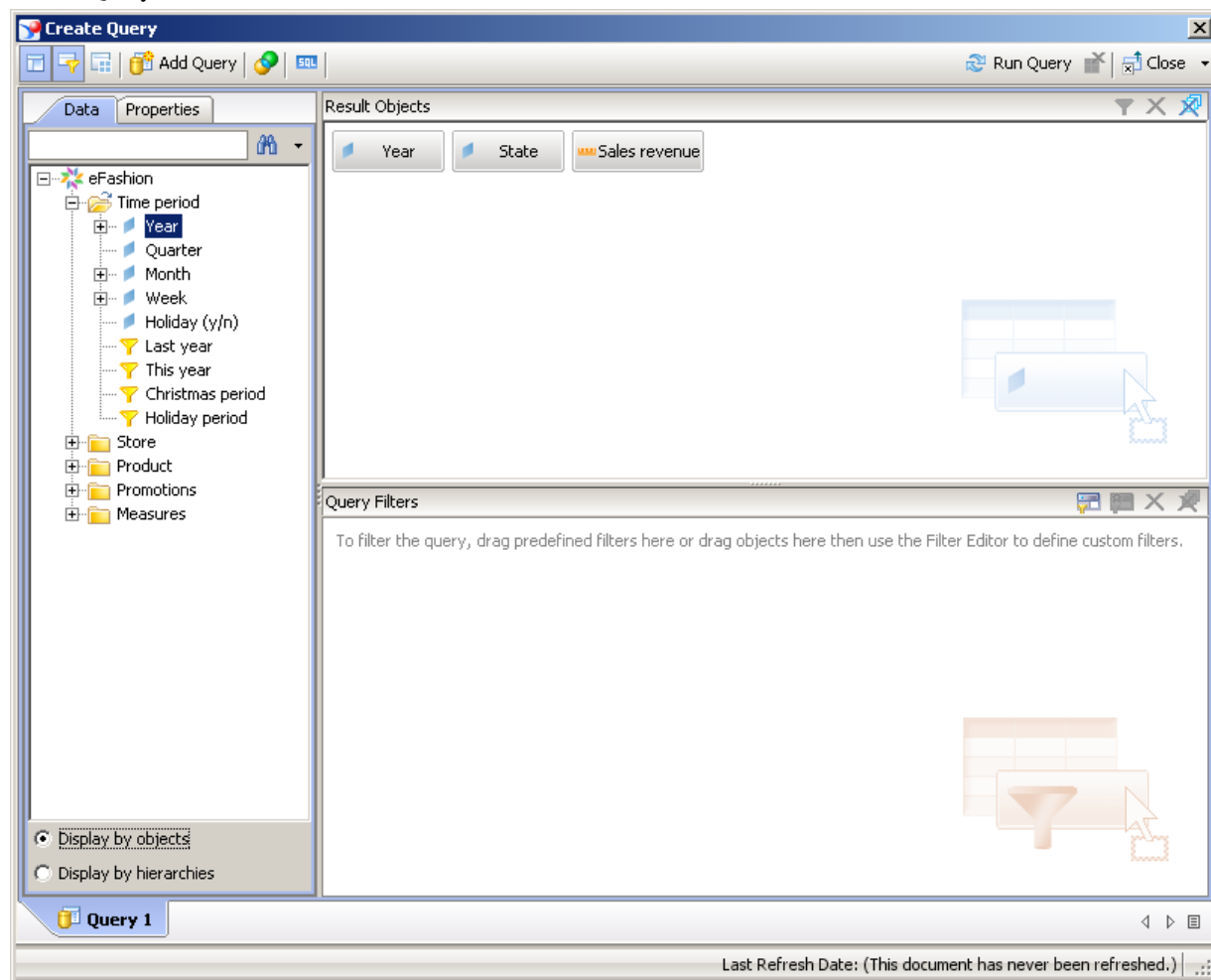


Applying complex query filters

Procedure

1. Start the transaction using the menu path or transaction code.

Create Query



2. Drag **Year** to the Query Filters pane.

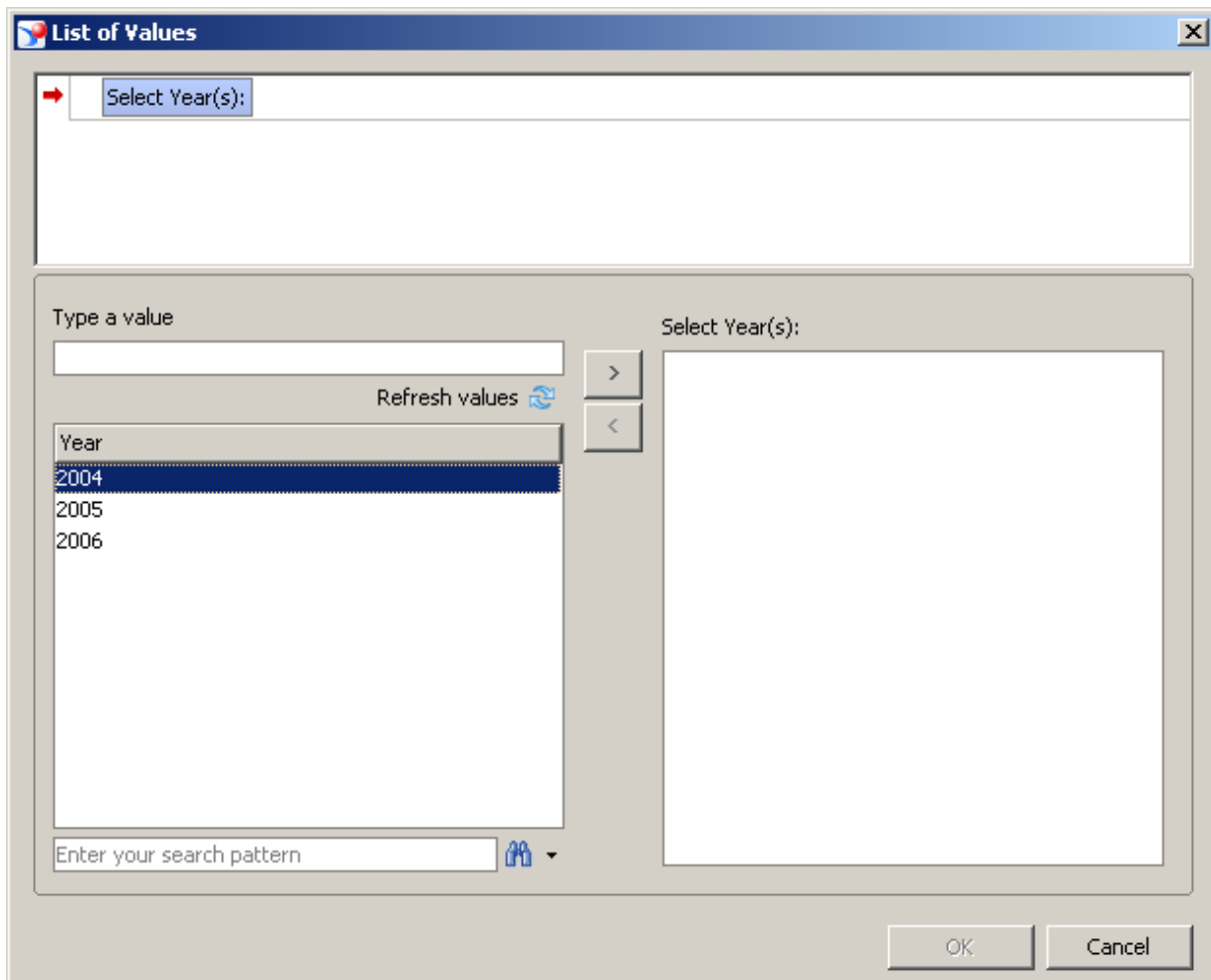
In this lesson, the first filter you apply is on Year. Add the Year object to the Query Filters pane.

3. Click **Type a constant** .

Applying complex query filters

- Click **Value(s) from list**.

List of Values



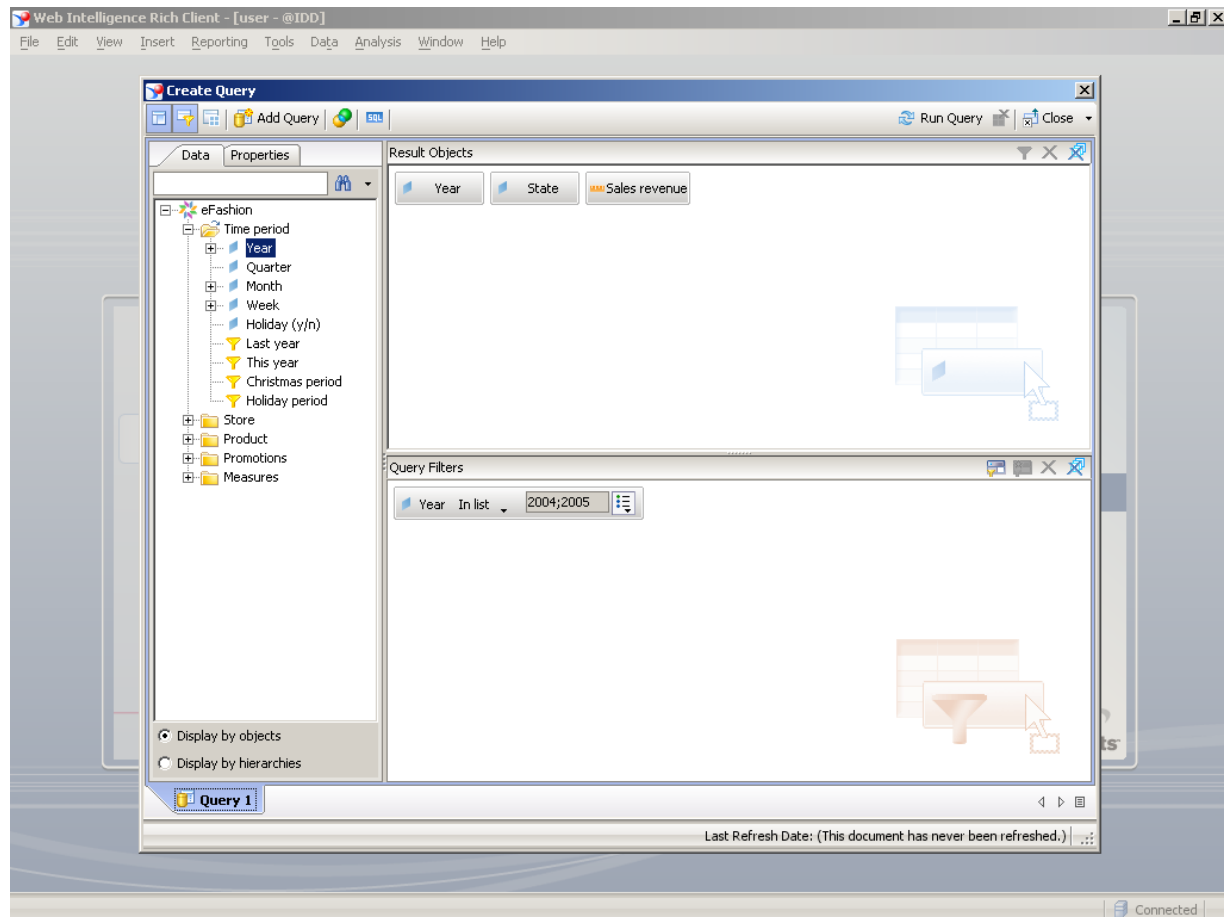
- Double-click the **2004** list item.
- Double-click the **2005** list item.
- Click **OK**.

This query will retrieve sales revenue data for the years 2004 and 2005. Now you want to add a second query filter to return data for a specific state.

Close the Time period class.

Applying complex query filters

Create Query

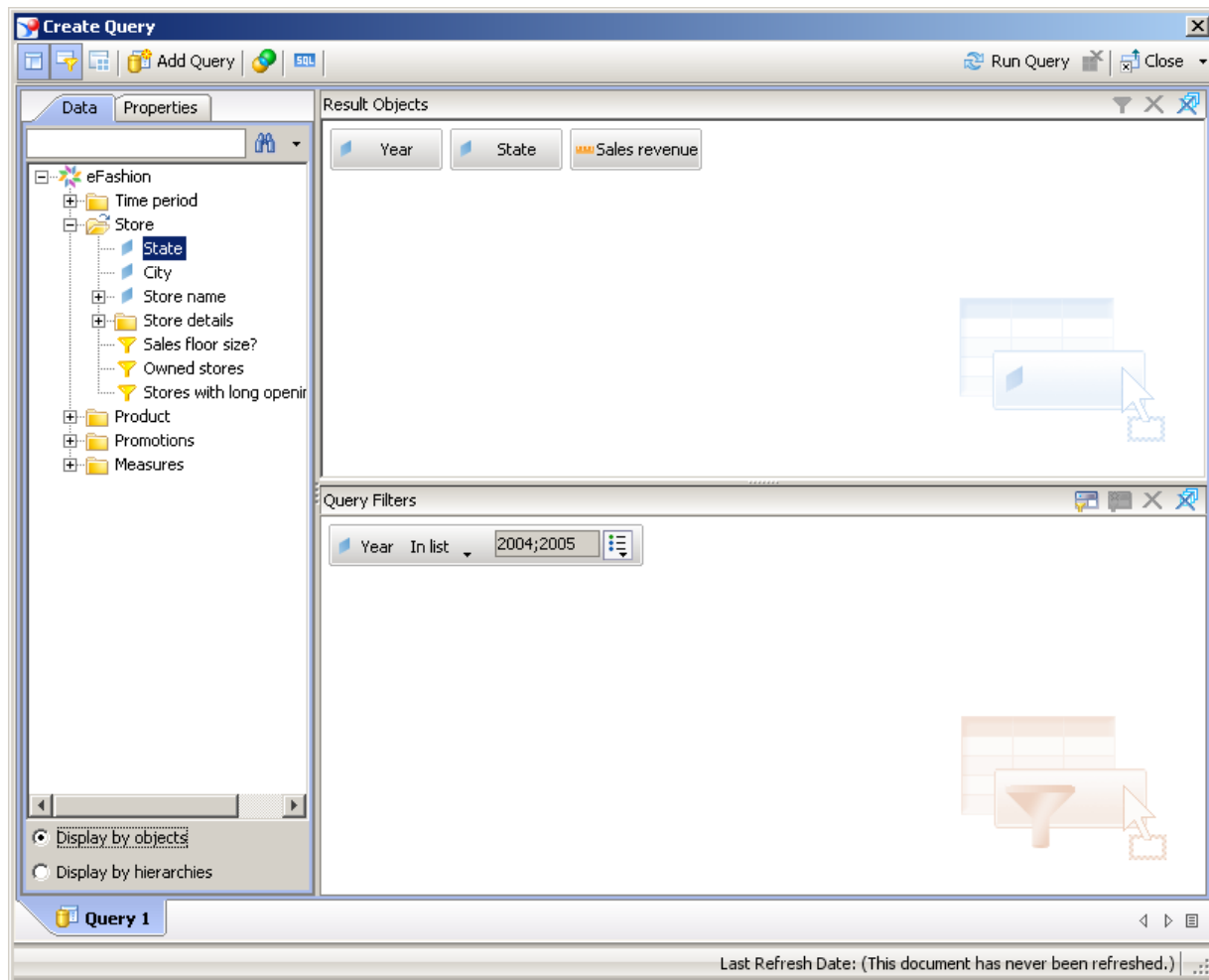


8. Click the - before the **Time period** tree item.
9. Click the + before the **Store** tree item.

Expand the Store class to create a second query filter that will restrict the data retrieved to all states except DC.

Applying complex query filters

Create Query



10. Drag **State** to the Query Filters pane.

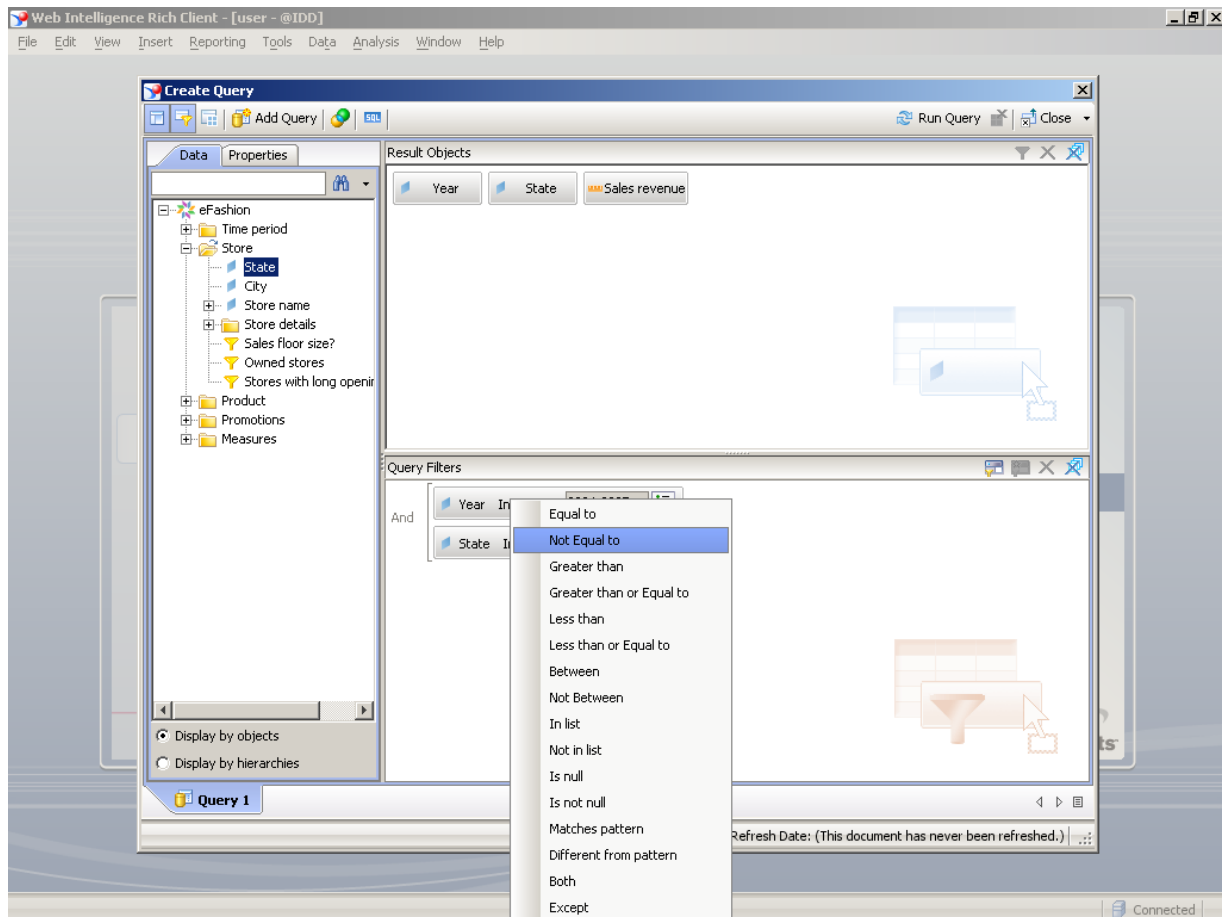
You want to add a second query filter on the State object.

11. Click **In list**.

You want all states that are different from DC.

Applying complex query filters

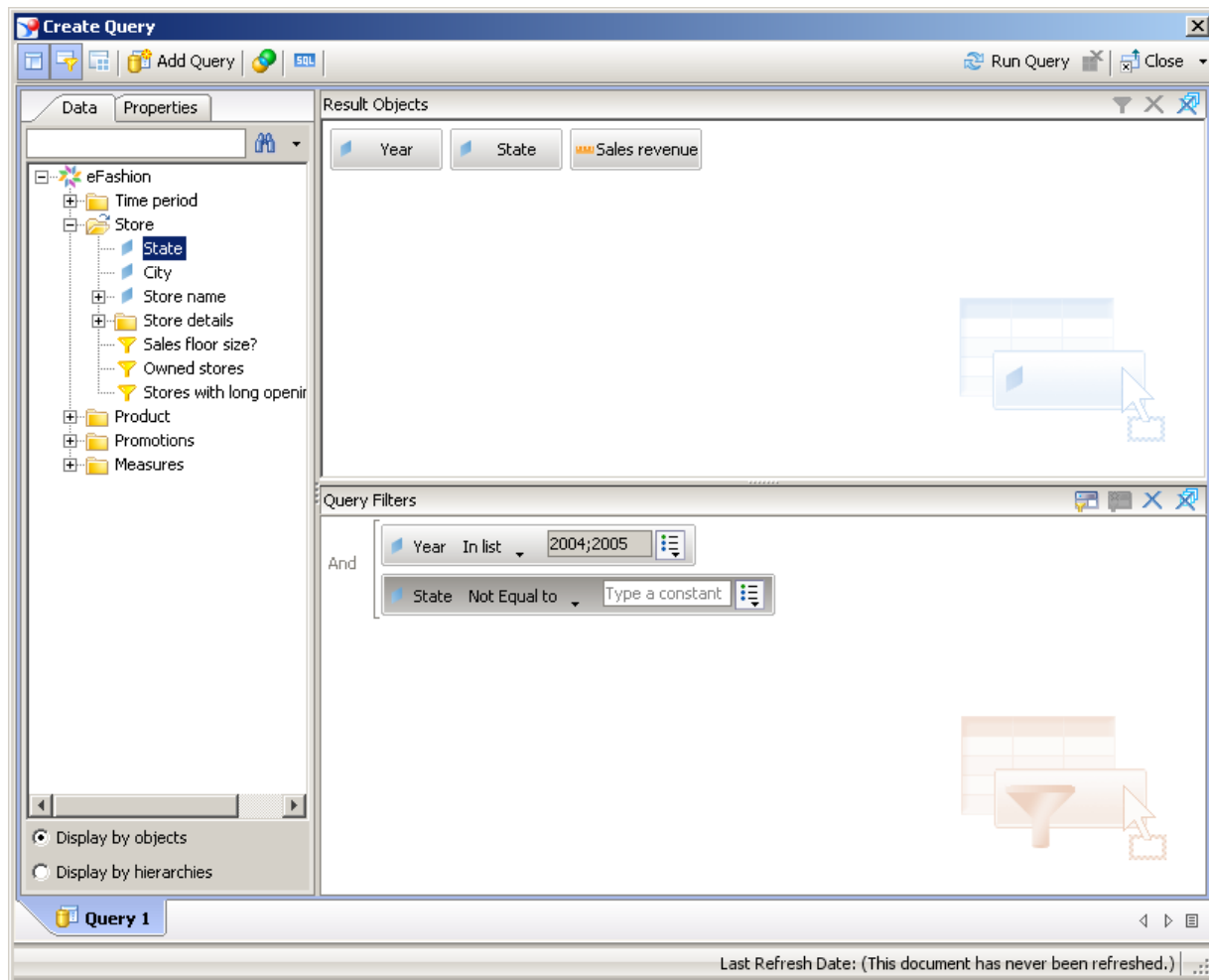
Create Query




- Click **Not Equal to**.

Applying complex query filters

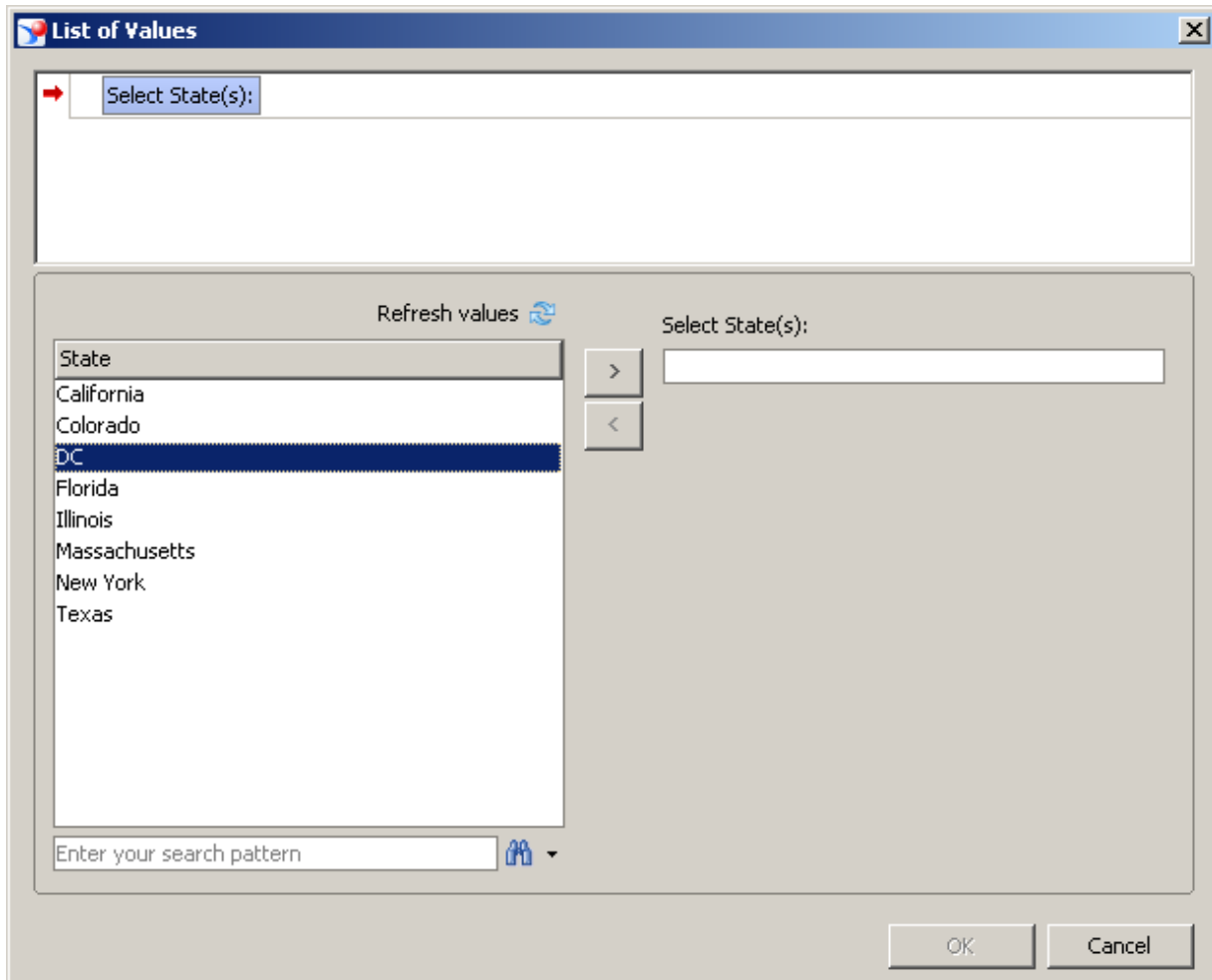
Create Query



13. Click **Type a constant** .
14. Click **Value(s) from list**.

Applying complex query filters

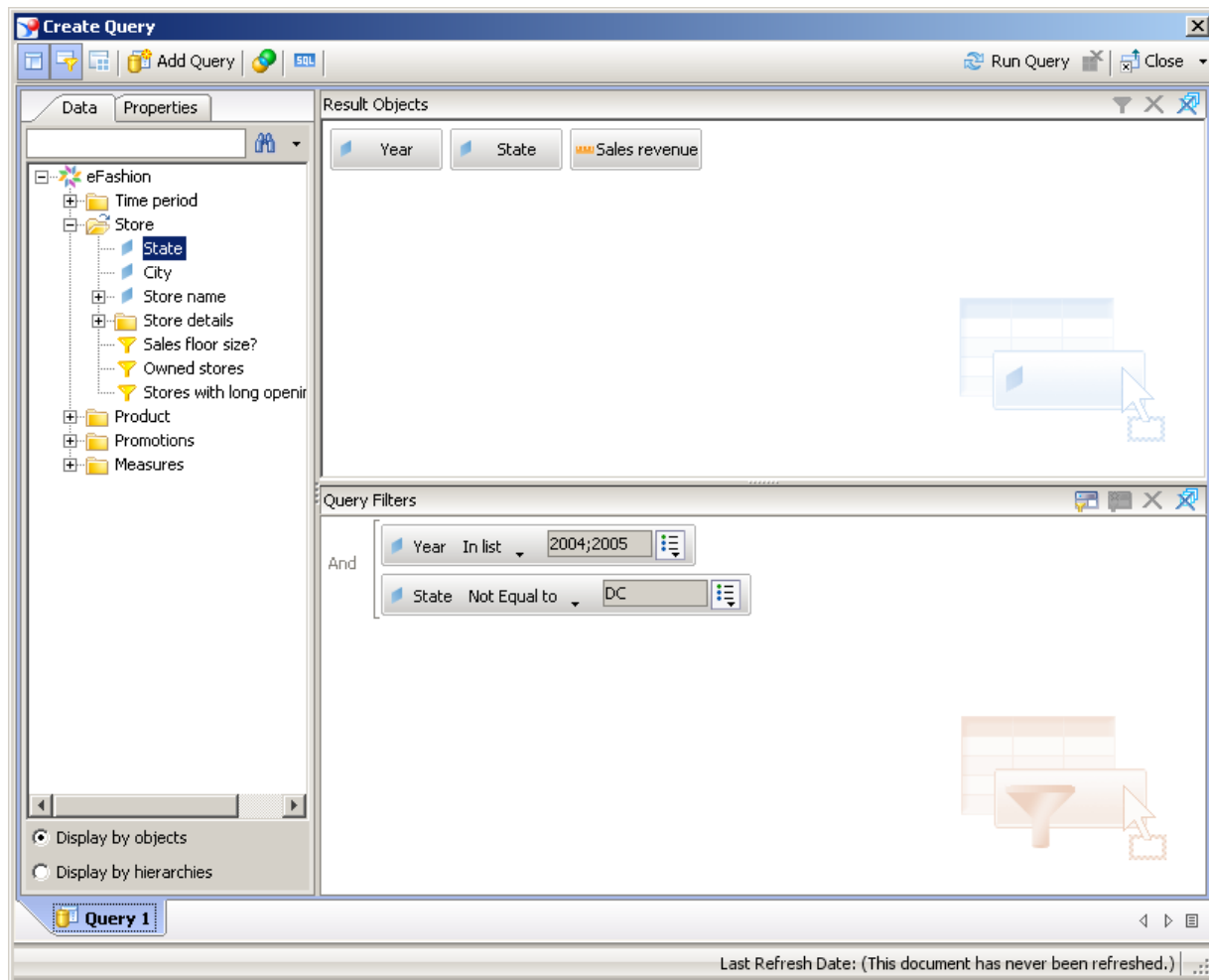
List of Values



15. Double-click the **DC** list item.
16. Click **OK**.

Applying complex query filters

Create Query



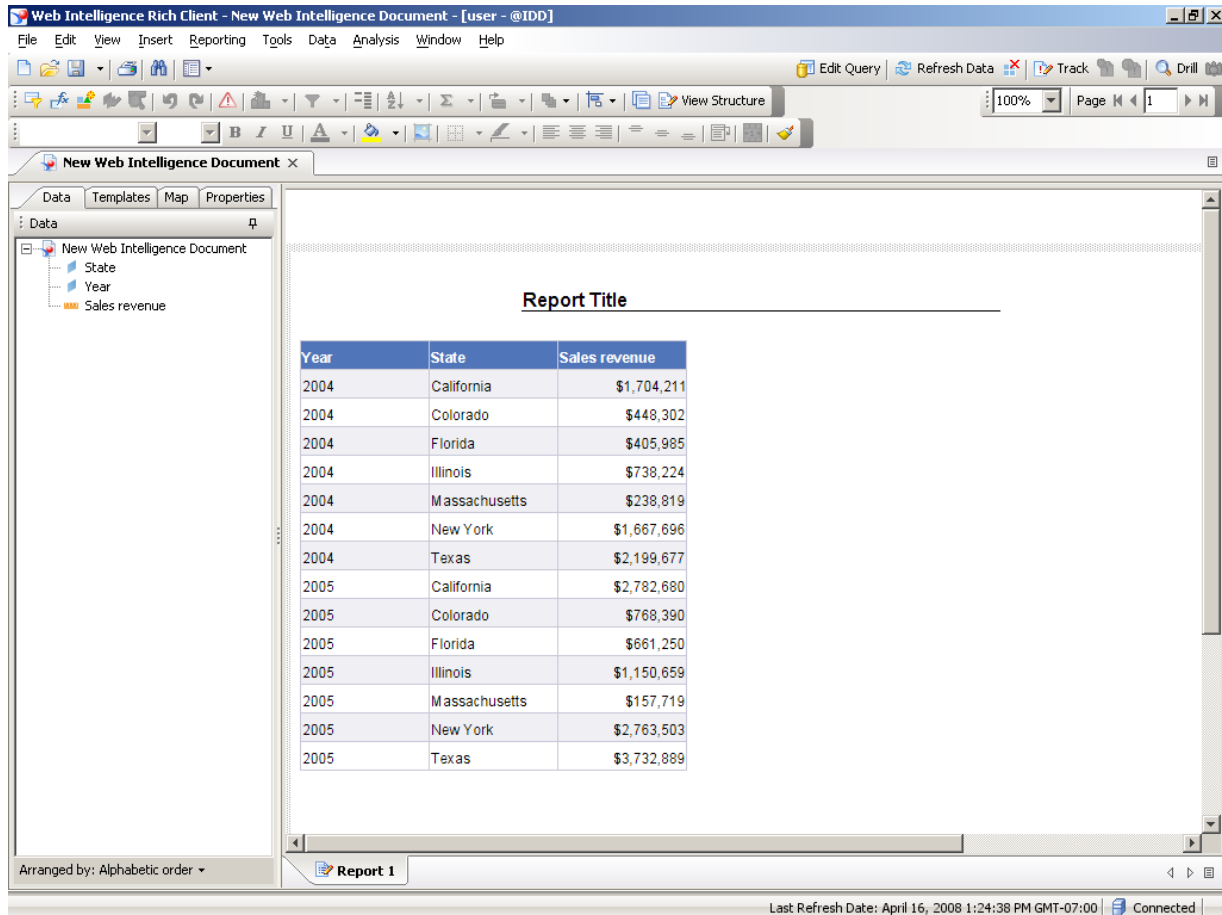
17. Press [Enter] to continue.

The two filters appear now in the Query Filters pane. They are joined by default with the AND operator.
Press **[Enter]** to continue.

18. Click **Run Query**.

Applying complex query filters

Web Intelligence Rich Client



The screenshot shows the Web Intelligence Rich Client interface. The main window displays a report titled "Report Title" with a table of sales revenue data. The table has three columns: Year, State, and Sales revenue. The data is filtered to show only the years 2004 and 2005, and the states are listed in alphabetical order. The status bar at the bottom indicates the last refresh date as April 16, 2008, 1:24:38 PM GMT-07:00, and the connection status as Connected.

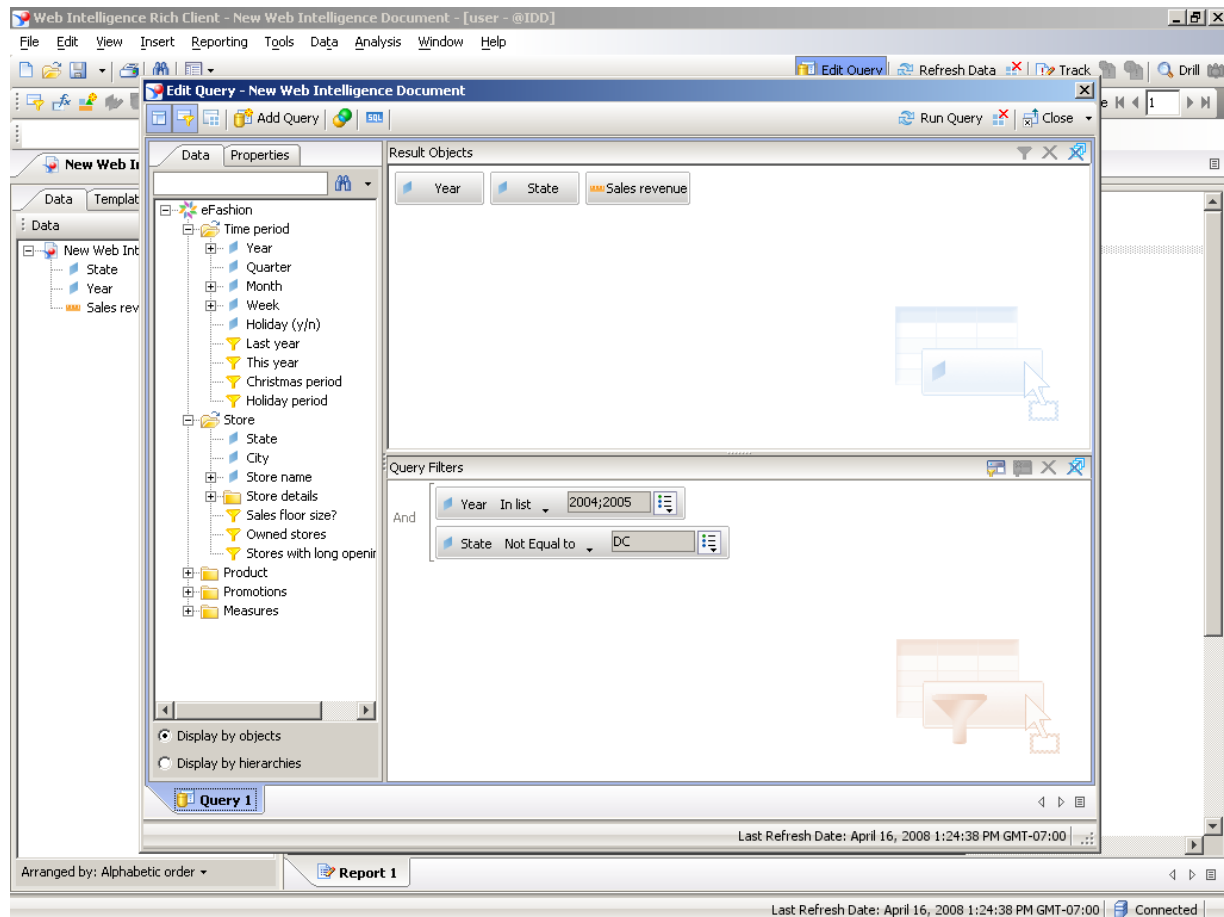
Year	State	Sales revenue
2004	California	\$1,704,211
2004	Colorado	\$448,302
2004	Florida	\$405,985
2004	Illinois	\$738,224
2004	Massachusetts	\$238,819
2004	New York	\$1,667,696
2004	Texas	\$2,199,677
2005	California	\$2,782,680
2005	Colorado	\$768,390
2005	Florida	\$661,250
2005	Illinois	\$1,150,659
2005	Massachusetts	\$157,719
2005	New York	\$2,763,503
2005	Texas	\$3,732,889

19. Click **Edit Query**.

The table now displays data concerning all states, except DC, in 2004 and 2005.
Now you will add another filter to the query. Edit the query.

Applying complex query filters

Edit Query3



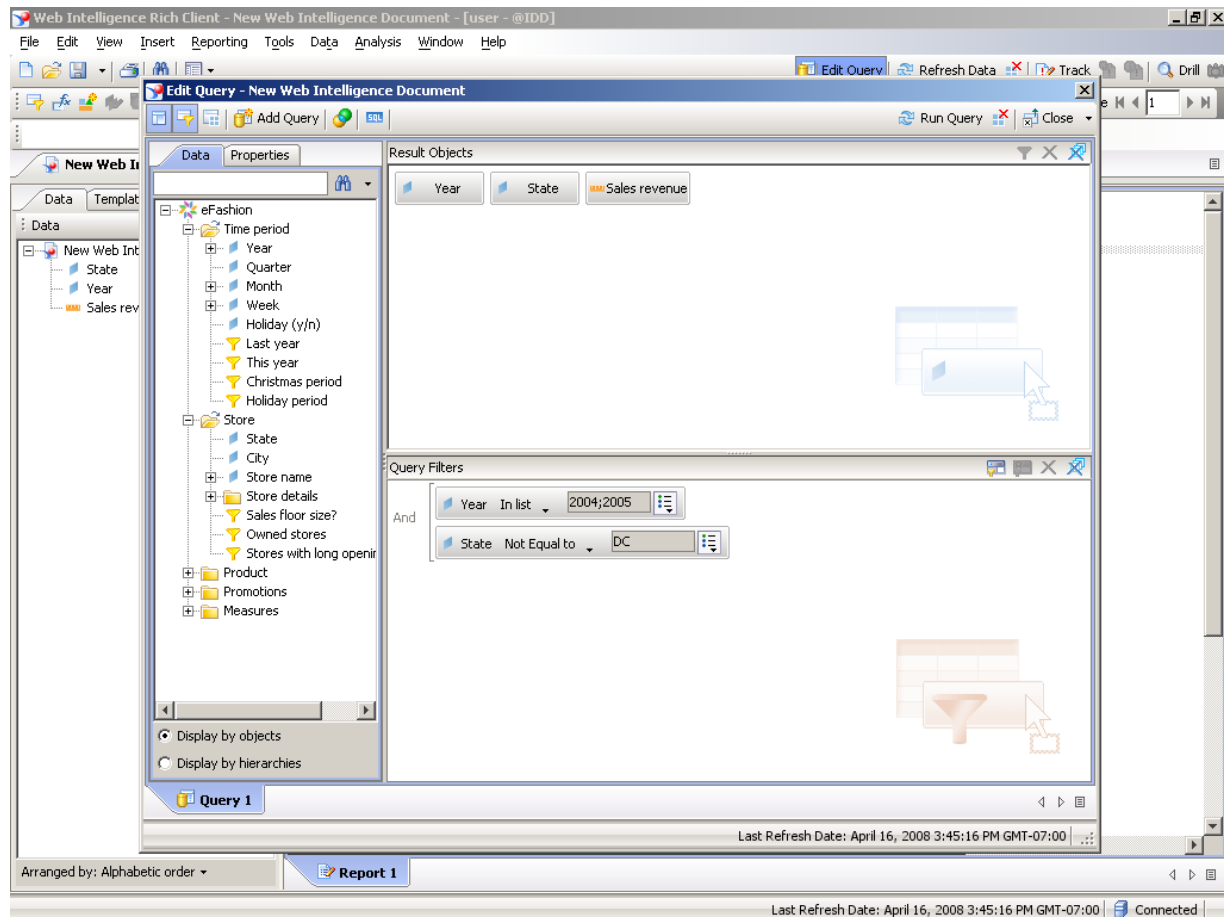
20. Press [Enter] to continue.

You want to add additional filters to focus on states meeting a certain criteria. The states (except DC) you want to focus on are those with sales in either 2004, 2005, or those that have had sales of more than \$2,000,000.00.

Press **[Enter]** to continue.

Applying complex query filters

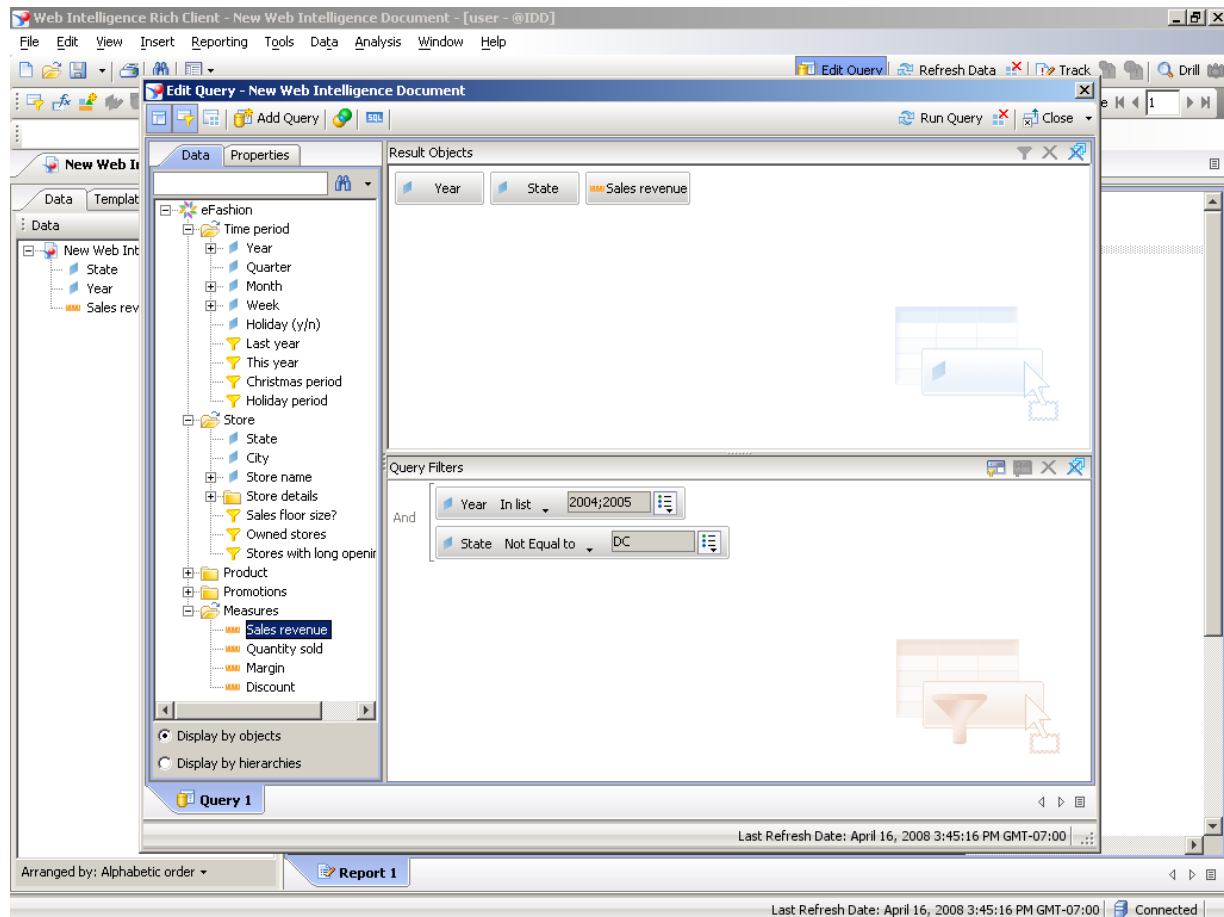
XXXX



21. Click the + before the **Measures** tree item.

Applying complex query filters

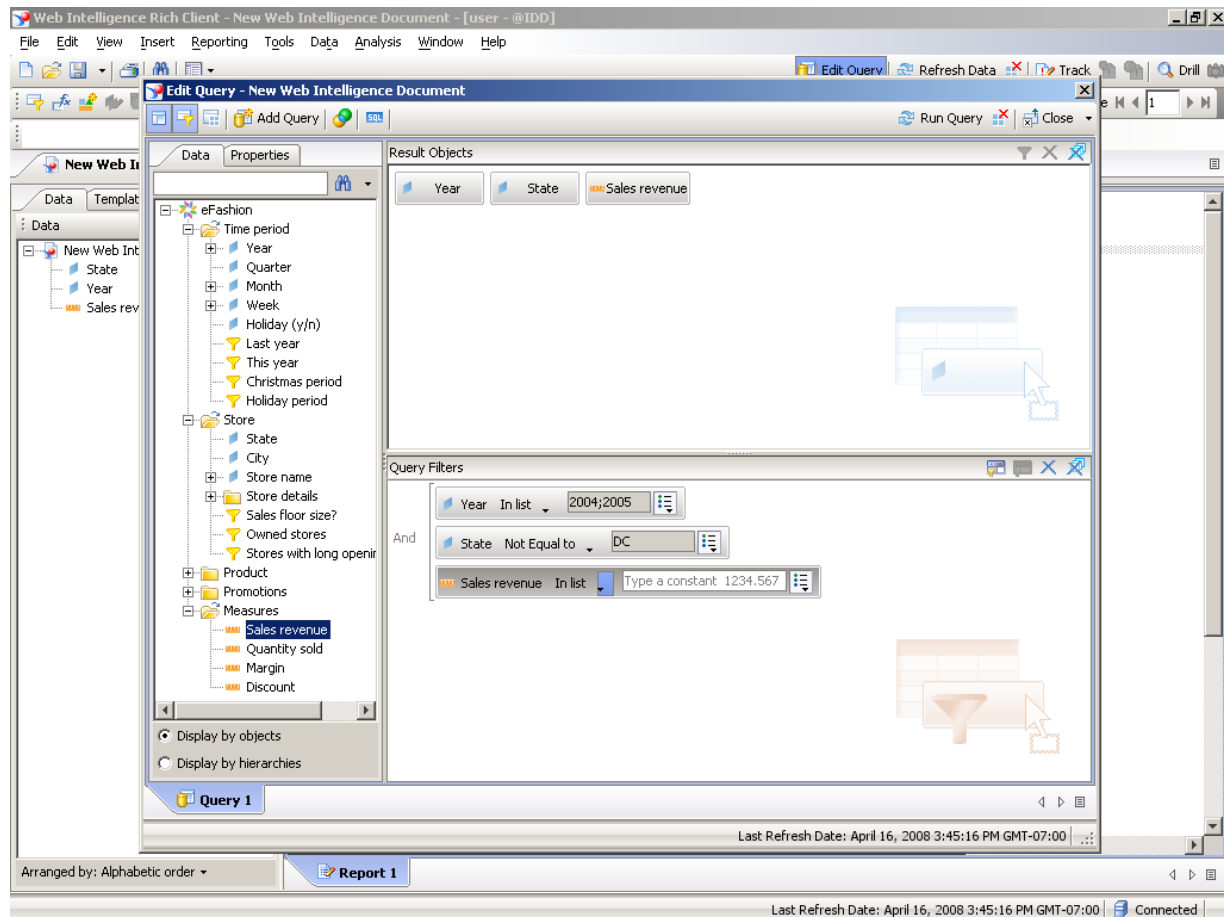
Edit Query



22. Drag **Sales revenue** to the Query Filters pane.

Applying complex query filters

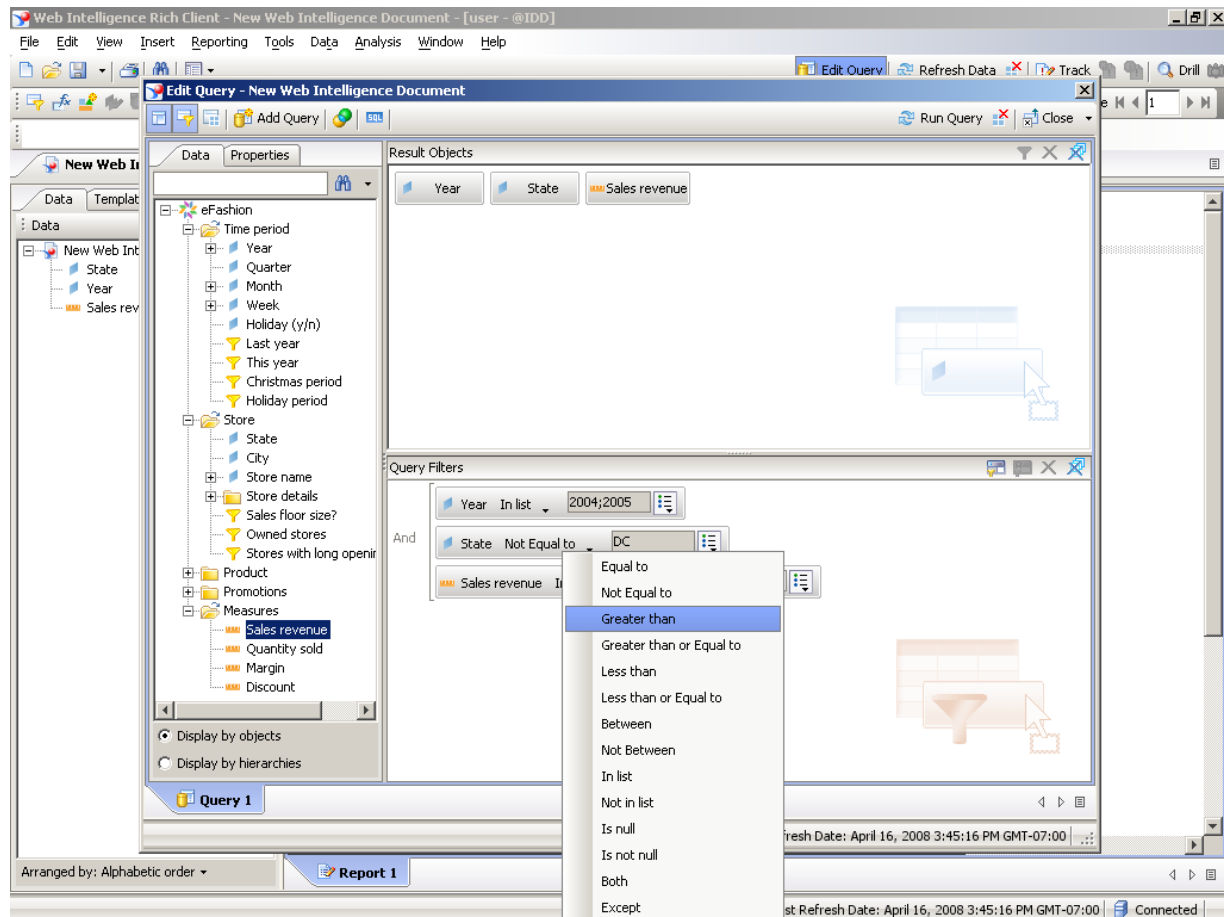
Web Intelligence Java Report Panel



23. Click **In list**.

Applying complex query filters

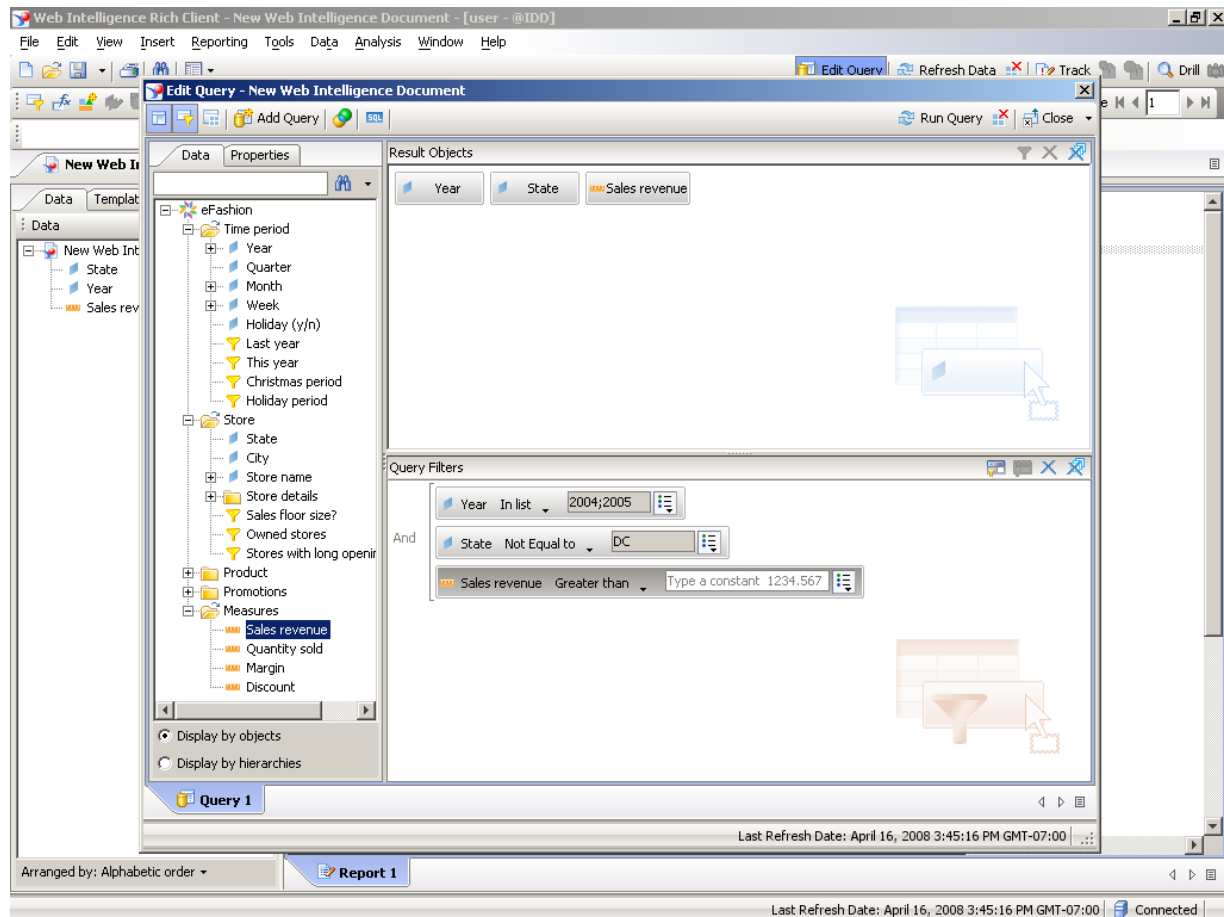
Edit Query



24. Click **Greater than**.

Applying complex query filters

Web Intelligence Java Report Panel



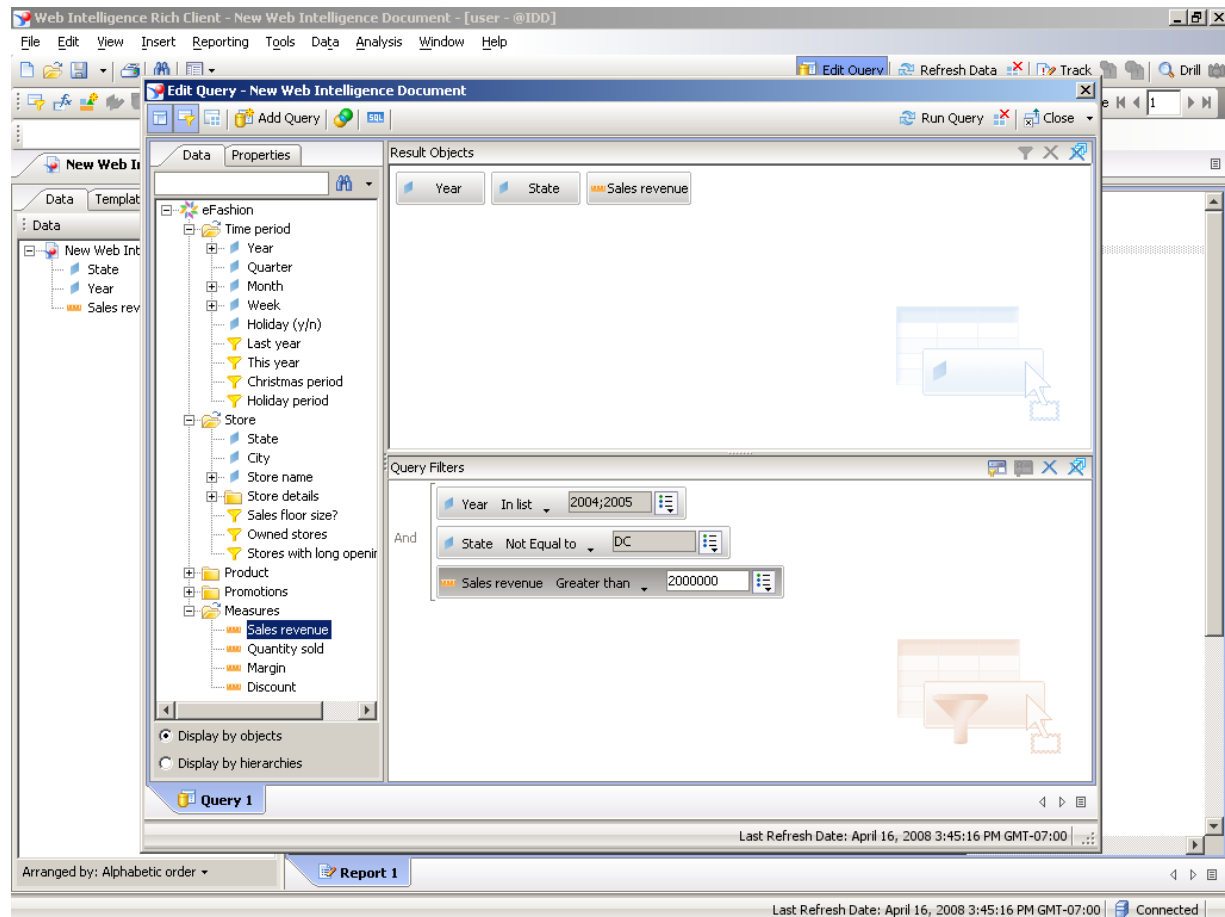
25. As required, complete/review the following fields:

Field	R/O/C	Description
Greater than	R	Example: 2000000

When typing the number, be sure to exclude dollar signs and commas. The number must be a true numeric in order for the query to execute properly.

Applying complex query filters

Edit Query



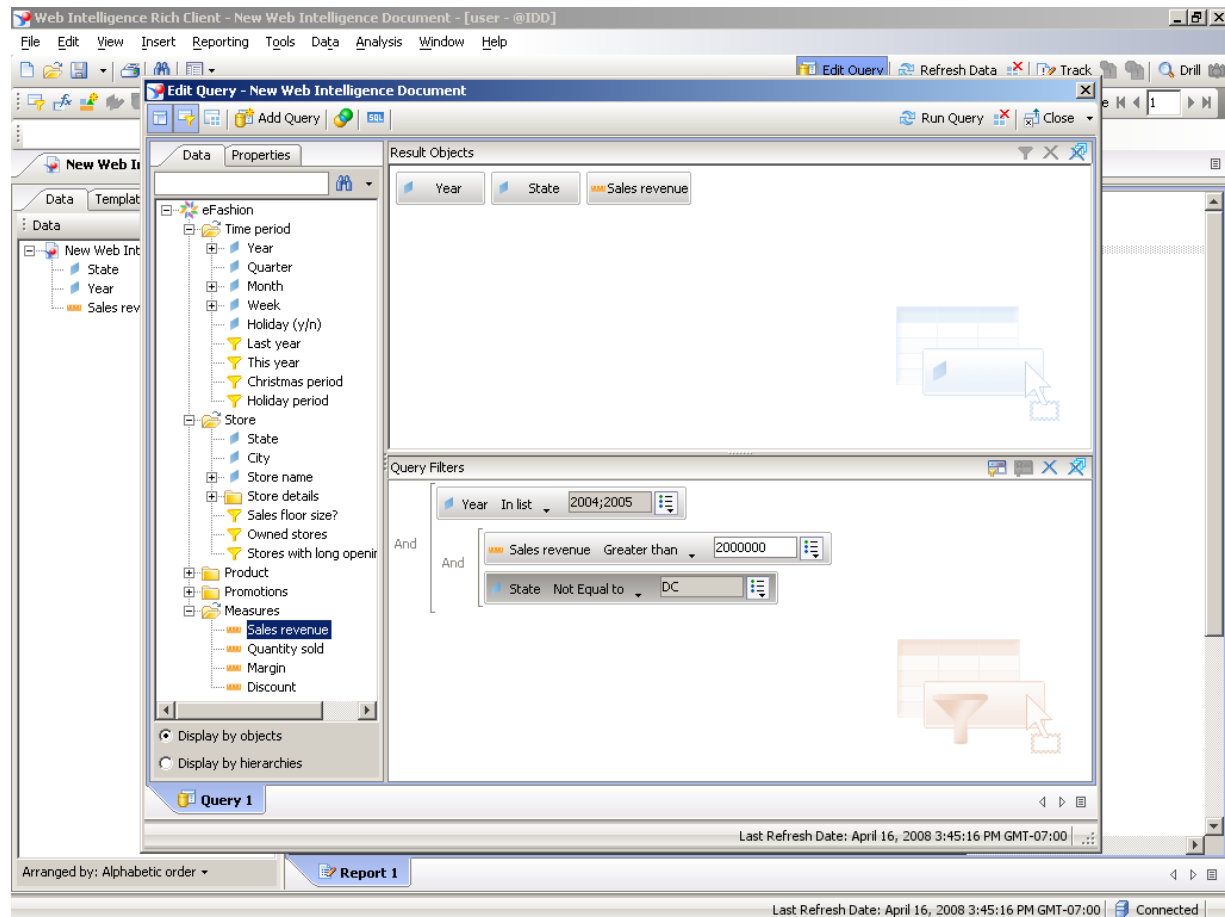
26. Drag the **Sales revenue** filter above the State filter.

Once again, the default condition of And is applied. However, in this case, you want to retrieve data for all the States except DC AND Years (2004, 2005) OR any state/year combination that had sales greater than \$2,000,000.00.

You need to apply the OR operator to get the result you want. From the Query Filters pane, drag the Sales revenue filter and drop it on top of the State filter.

Applying complex query filters

Edit Query



27. Drag the **State filter** above the Year filter.

Web Intelligence automatically groups the two filters together.

The And operator displays as a default. However, the And condition will not retrieve the data you want. You want to retrieve data where the years of 2004, 2005, and all states (except DC) or sales revenue is greater than \$2,000,000.00. You need to continue adjusting the condition.

From the Query Filters pane, you want to add the State filter and drop it on top of the Year filter to group the State and Year filters together.

28. Double-click **And**.

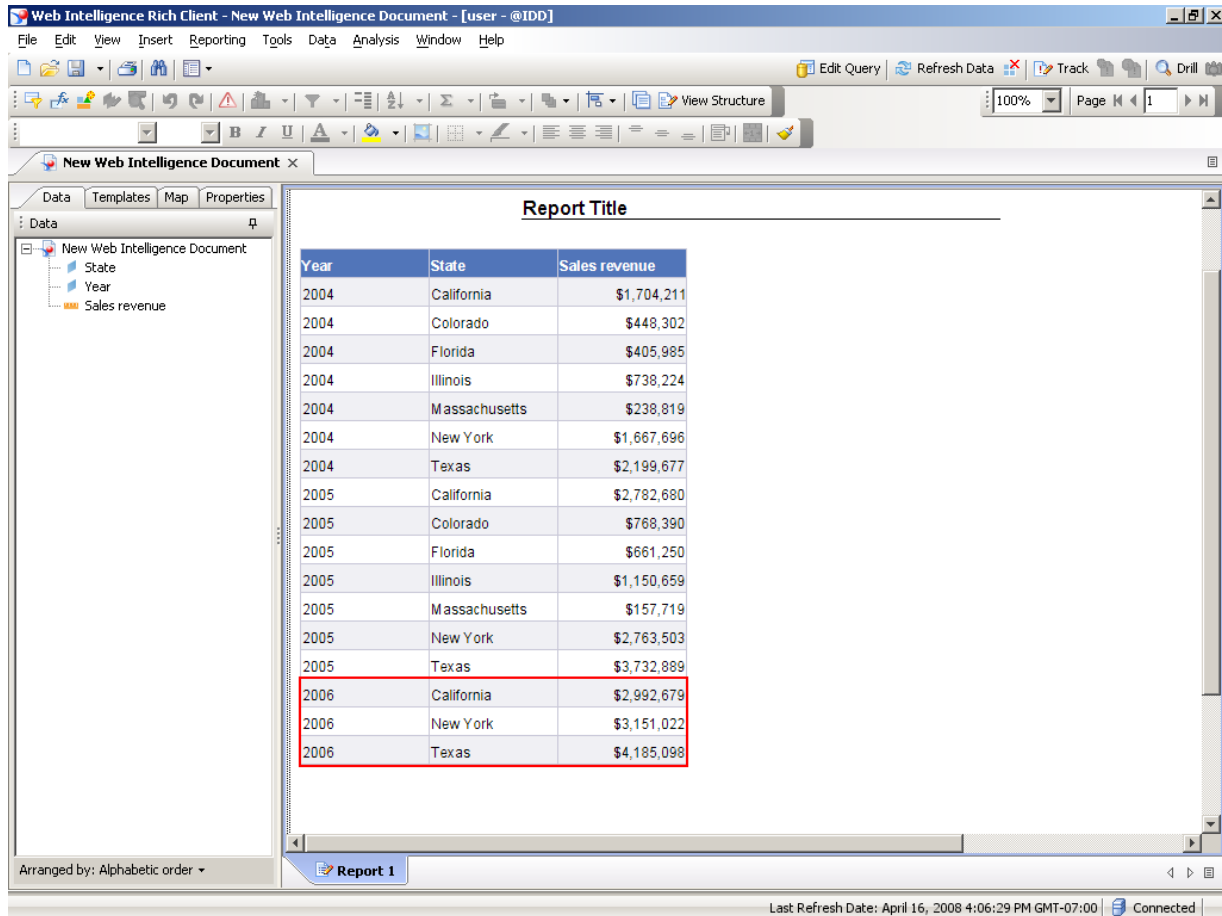
The query filters are now grouped properly. However, the And/And combination is incorrect. As a final step, you need to change one of the And operators to an Or operator.

Applying complex query filters

29. Click **Run Query**.

The And has changed to Or. To view the results of applying complex query filters, run the query.

Web Intelligence Rich Client - New Web Intelligence Document - [user - @IDD]



The screenshot shows the Web Intelligence Rich Client interface. The main window displays a report titled "Report Title" with a table of sales revenue data. The table has three columns: Year, State, and Sales revenue. The data is filtered to show only states with sales revenue greater than \$2,000,000.00 for the years 2004 and 2005. The table is sorted by sales revenue in descending order. The bottom status bar shows the last refresh date as April 16, 2008 4:06:29 PM GMT-07:00 and the connection status as Connected.

Year	State	Sales revenue
2004	California	\$1,704,211
2004	Colorado	\$448,302
2004	Florida	\$405,985
2004	Illinois	\$738,224
2004	Massachusetts	\$238,819
2004	New York	\$1,667,696
2004	Texas	\$2,199,677
2005	California	\$2,782,680
2005	Colorado	\$768,390
2005	Florida	\$661,250
2005	Illinois	\$1,150,659
2005	Massachusetts	\$157,719
2005	New York	\$2,763,503
2005	Texas	\$3,732,889
2006	California	\$2,992,679
2006	New York	\$3,151,022
2006	Texas	\$4,185,098

30. Press [Enter] to continue.

The report displays all states except DC for the years 2004 and 2005 plus any states that have sales revenue greater than \$2,000,000.00 regardless of their state and year.

Press **[Enter]** to continue.